Appln. No. 10/733,738
Amendment dated May 15, 2006
Reply to Office Action dated November 16, 2005

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Cancelled)
- (Previously Presented) A turbine blade with abrasive tip coating, comprising:
 an elongated turbine blade having a tip at one end, said tip having an abrasive coating
 including a substantially 50:50 mixture of cubic boron nitride and silicon nitride.
- 3. (Cancelled)
- 4. (Previously Presented) A turbine blade with abrasive tip coating, comprising: an elongated turbine blade having a tip at one end, said tip having an abrasive coating including a mixture of cubic boron nitride, silicon nitride and CoNiCrAlY.
- 5. (Currently Amended) The turbine blade according to claim 4 wherein the abrasive coating includes [[a]] substantially equal parts of cubic boron nitride and silicon nitride.
- 6. (Previously Presented) The turbine blade according to claim 2 wherein the cubic boron nitride and the silicon nitride are electroplated to the blade tip.
- 7 (Currently Amended) A turbine blade and ring segment assembly, comprising: a turbine ring segment having an abradable coating on an inner surface thereof,

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an elongated turbine blade having a np at one end, said blade up having an abrasive coating, said abrasive coating engaging and abrading said abradable coating of the turbine ring segment; wherein said abrasive coating of said blade up includes a mixture of substantially equal parts of cubic boron nitride and silicon nitride.

- 8. (Cancelled)
- (Onginal) The assembly according to claim 7 wherein the abrasive coating includes a super alloy of at least one of nickel and cobalt.
- 10. (Original) The assembly according to claim 9 wherein the super alloy is CoNiCrAlY.
- 11. (Cancelled)
- 12. (Original) The assembly according to claim 7 wherein the cubic boron nitride and the silicon nitride are electroplated to the blade tip.
- 13. (Original) The assembly according to claim 7 wherein the abraduble material of the ring segment is a thermal barrier coating.
- 14. (Original) The assembly according to claim 13 wherein the thermal barrier coating is porous.
- 15. (Original) The assembly according to claim 14 wherein the thermal barrier coating is ceramic.
- 16. (Original) The assembly according to claim 15 wherein the thermal barrier coating includes yttria-stabilized zirconia (YSZ).

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- 17. (Original) The assembly according to claim 16 wherein the thermal barrier coating includes 8 wt. % YSZ (8YSZ).
- 18. (Previously Presented) The turbine blade according to claim 4 wherein the abrasive coating is electroplated to the blade tip.